

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 101643,681B  
Source: IENW/6  
Date Processed by STIC: 4-17-06

***ENTERED***

**CRF Errors Edited by the STIC Systems Branch**

Serial Number:

10/643,681B

CRF Edit Date:

4-17-06

Edited by:ZL

\_\_\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_ Deleted: / invalid beginning/end-of-file text ; \_\_\_\_\_ page numbers

\_\_\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_ Other:



IFW16

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/643,681B**

**DATE: 04/17/2006**  
**TIME: 11:05:28**

**Input Set : A:\pto.kd.txt**  
**Output Set: N:\CRF4\04142006\J643681B.raw**

3 <110> APPLICANT: Amylin Pharmaceuticals, Inc.  
 4 Kolterman, Orville G.  
 5 Young, Andrew A.  
 6 Rink, Timothy J.  
 7 Brown, Kathleen A. K.  
 9 <120> TITLE OF INVENTION: Methods for Regulating Postprandial Blood Glucose  
 (Amended)  
 11 <130> FILE REFERENCE: 254/057CON  
 13 <140> CURRENT APPLICATION NUMBER: US 10/643,681B  
 14 <141> CURRENT FILING DATE: 2003-08-18  
 16 <150> PRIOR APPLICATION NUMBER: US 09/576,062  
 17 <151> PRIOR FILING DATE: 2000-05-22  
 19 <150> PRIOR APPLICATION NUMBER: US 08/302,069  
 20 <151> PRIOR FILING DATE: 1994-09-07  
 22 <150> PRIOR APPLICATION NUMBER: US 08/118,381  
 23 <151> PRIOR FILING DATE: 1993-09-07  
 25 <160> NUMBER OF SEQ ID NOS: 49  
 27 <170> SOFTWARE: PatentIn version 3.3  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 37  
 31 <212> TYPE: PRT  
 32 <213> ORGANISM: Artificial Sequence  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: Synthetic peptide construct  
 37 <400> SEQUENCE: 1  
 39 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
 40 1 5 10 15  
 42 Val His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val  
 43 20 25 30  
 45 Gly Ser Asn Thr Tyr  
 46 35  
 49 <210> SEQ ID NO: 2  
 50 <211> LENGTH: 24  
 51 <212> TYPE: PRT  
 52 <213> ORGANISM: Artificial  
 54 <220> FEATURE:  
 55 <223> OTHER INFORMATION: Synthetic peptide construct  
 57 <400> SEQUENCE: 2  
 59 Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu Gln Thr Tyr Pro Arg  
 60 1 5 10 15  
 62 Thr Asn Thr Gly Ser Asn Thr Tyr  
 63 20  
 66 <210> SEQ ID NO: 3  
 67 <211> LENGTH: 37

RAW SEQUENCE LISTING DATE: 04/17/2006  
PATENT APPLICATION: US/10/643,681B TIME: 11:05:28

Input Set : A:\pto.kd.txt  
Output Set: N:\CRF4\04142006\J643681B.raw

68 <212> TYPE: PRT  
69 <213> ORGANISM: Artificial Sequence  
71 <220> FEATURE:  
72 <223> OTHER INFORMATION: Synthetic peptide construct  
74 <400> SEQUENCE: 3  
76 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
77 1 5 10 15  
79 Val Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val  
80 20 25 30  
82 Gly Ser Asn Thr Tyr  
83 35  
86 <210> SEQ ID NO: 4  
87 <211> LENGTH: 36  
88 <212> TYPE: PRT  
89 <213> ORGANISM: Artificial Sequence  
91 <220> FEATURE:  
92 <223> OTHER INFORMATION: Synthetic peptide construct  
94 <400> SEQUENCE: 4  
96 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val  
97 1 5 10 15  
99 His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val Gly  
100 20 25 30  
102 Ser Asn Thr Tyr  
103 35  
106 <210> SEQ ID NO: 5  
107 <211> LENGTH: 37  
108 <212> TYPE: PRT  
109 <213> ORGANISM: Artificial Sequence  
111 <220> FEATURE:  
112 <223> OTHER INFORMATION: Synthetic peptide construct  
114 <400> SEQUENCE: 5  
116 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
117 1 5 10 15  
119 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Pro Ser Thr Asn Val  
120 20 25 30  
122 Gly Ser Asn Thr Tyr  
123 35  
126 <210> SEQ ID NO: 6  
127 <211> LENGTH: 36  
128 <212> TYPE: PRT  
129 <213> ORGANISM: Artificial Sequence  
131 <220> FEATURE:  
132 <223> OTHER INFORMATION: Synthetic peptide construct  
134 <400> SEQUENCE: 6  
136 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val  
137 1 5 10 15  
139 His Arg Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val Gly  
140 20 25 30  
142 Ser Asn Thr Tyr

RAW SEQUENCE LISTING DATE: 04/17/2006  
PATENT APPLICATION: US/10/643,681B TIME: 11:05:28

Input Set : A:\pto.kd.txt  
Output Set: N:\CRF4\04142006\J643681B.raw

143 35  
146 <210> SEQ ID NO: 7  
147 <211> LENGTH: 37  
148 <212> TYPE: PRT  
149 <213> ORGANISM: Artificial Sequence  
151 <220> FEATURE:  
152 <223> OTHER INFORMATION: Synthetic peptide construct  
154 <400> SEQUENCE: 7  
156 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
157 1 5 10 15  
159 Val His Ser Ser Asn Asn Phe Gly Pro Val Leu Pro Pro Thr Asn Val  
160 20 25 30  
162 Gly Ser Asn Thr Tyr  
163 35  
166 <210> SEQ ID NO: 8  
167 <211> LENGTH: 37  
168 <212> TYPE: PRT  
169 <213> ORGANISM: Artificial Sequence  
171 <220> FEATURE:  
172 <223> OTHER INFORMATION: Synthetic peptide construct  
174 <400> SEQUENCE: 8  
176 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
177 1 5 10 15  
179 Val Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val  
180 20 25 30  
182 Gly Ser Asn Thr Tyr  
183 35  
186 <210> SEQ ID NO: 9  
187 <211> LENGTH: 36  
188 <212> TYPE: PRT  
189 <213> ORGANISM: Artificial Sequence  
191 <220> FEATURE:  
192 <223> OTHER INFORMATION: Synthetic peptide construct  
194 <400> SEQUENCE: 9  
196 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val  
197 1 5 10 15  
199 Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Ser Asn Val Gly  
200 20 25 30  
202 Ser Asn Thr Tyr  
203 35  
206 <210> SEQ ID NO: 10  
207 <211> LENGTH: 36  
208 <212> TYPE: PRT  
209 <213> ORGANISM: Artificial Sequence  
211 <220> FEATURE:  
212 <223> OTHER INFORMATION: Synthetic peptide construct  
214 <400> SEQUENCE: 10  
216 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val  
217 1 5 10 15

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/643,681B

DATE: 04/17/2006  
TIME: 11:05:28

Input Set : A:\pto.kd.txt  
Output Set: N:\CRF4\04142006\J643681B.raw

219 His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Ser Asn Val Gly  
220 20 25 30  
222 Ser Asn Thr Tyr  
223 35  
226 <210> SEQ ID NO: 11  
227 <211> LENGTH: 37  
228 <212> TYPE: PRT  
229 <213> ORGANISM: Artificial Sequence  
231 <220> FEATURE:  
232 <223> OTHER INFORMATION: Synthetic peptide construct  
234 <400> SEQUENCE: 11  
236 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
237 1 5 10 15  
239 Val His Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Pro Thr Asn Val  
240 20 25 30  
242 Gly Ser Asn Thr Tyr  
243 35  
246 <210> SEQ ID NO: 12  
247 <211> LENGTH: 37  
248 <212> TYPE: PRT  
249 <213> ORGANISM: Artificial Sequence  
251 <220> FEATURE:  
252 <223> OTHER INFORMATION: Synthetic peptide construct  
254 <400> SEQUENCE: 12  
256 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
257 1 5 10 15  
259 Val His Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Ser Thr Asn Val  
260 20 25 30  
262 Gly Ser Asn Thr Tyr  
263 35  
266 <210> SEQ ID NO: 13  
267 <211> LENGTH: 36  
268 <212> TYPE: PRT  
269 <213> ORGANISM: Artificial Sequence  
271 <220> FEATURE:  
272 <223> OTHER INFORMATION: Synthetic peptide construct  
274 <400> SEQUENCE: 13  
276 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val  
277 1 5 10 15  
279 His Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Ser Thr Asn Val Gly  
280 20 25 30  
282 Ser Asn Thr Tyr  
283 35  
286 <210> SEQ ID NO: 14  
287 <211> LENGTH: 37  
288 <212> TYPE: PRT  
289 <213> ORGANISM: Artificial Sequence  
291 <220> FEATURE:  
292 <223> OTHER INFORMATION: Synthetic peptide construct

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/643,681B

DATE: 04/17/2006  
TIME: 11:05:28

Input Set : A:\pto.kd.txt  
Output Set: N:\CRF4\04142006\J643681B.raw

294 <400> SEQUENCE: 14  
296 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
297 1 5 10 15  
299 Val Arg Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Ser Thr Asn Val  
300 20 25 30  
302 Gly Ser Asn Thr Tyr  
303 35  
306 <210> SEQ ID NO: 15  
307 <211> LENGTH: 37  
308 <212> TYPE: PRT  
309 <213> ORGANISM: Artificial Sequence  
311 <220> FEATURE:  
312 <223> OTHER INFORMATION: Synthetic peptide construct  
314 <400> SEQUENCE: 15  
316 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
317 1 5 10 15  
319 Val Arg Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Pro Thr Asn Val  
320 20 25 30  
322 Gly Ser Asn Thr Tyr  
323 35  
326 <210> SEQ ID NO: 16  
327 <211> LENGTH: 37  
328 <212> TYPE: PRT  
329 <213> ORGANISM: Artificial Sequence  
331 <220> FEATURE:  
332 <223> OTHER INFORMATION: Synthetic peptide construct  
334 <400> SEQUENCE: 16  
336 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
337 1 5 10 15  
339 Val Arg Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Ser Thr Asn Val  
340 20 25 30  
343 Gly Ser Asn Thr Tyr  
344 35  
347 <210> SEQ ID NO: 17  
348 <211> LENGTH: 37  
349 <212> TYPE: PRT  
350 <213> ORGANISM: Artificial Sequence  
352 <220> FEATURE:  
353 <223> OTHER INFORMATION: Synthetic peptide construct  
355 <400> SEQUENCE: 17  
357 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
358 1 5 10 15  
360 Ile His Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Pro Thr Asn Val  
361 20 25 30  
363 Gly Ser Asn Thr Tyr  
364 35  
367 <210> SEQ ID NO: 18  
368 <211> LENGTH: 37  
369 <212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/643,681B

DATE: 04/17/2006  
TIME: 11:05:29

Input Set : A:\pto.kd.txt  
Output Set: N:\CRF4\04142006\J643681B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:31; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,25,26,28,29,31  
Seq#:40; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,29,31  
Seq#:41; Xaa Pos. 2,7  
Seq#:42; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,28,31  
Seq#:43; Xaa Pos. 2,7  
Seq#:44; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,25,26,31  
Seq#:45; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,31  
Seq#:46; Xaa Pos. 2,7  
Seq#:47; Xaa Pos. 2,7  
Seq#:48; Xaa Pos. 2,7  
Seq#:49; Xaa Pos. 2,7

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2

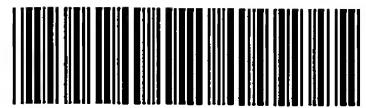
VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/643,681B

DATE: 04/17/2006  
TIME: 11:05:29

Input Set : A:\pto.kd.txt  
Output Set: N:\CRF4\04142006\J643681B.raw

L:718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
M:341 Repeated in SeqNo=31  
L:986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
M:341 Repeated in SeqNo=40  
L:1022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:1118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
M:341 Repeated in SeqNo=42  
L:1154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:1251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
M:341 Repeated in SeqNo=44  
L:1344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
M:341 Repeated in SeqNo=45  
L:1380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0  
L:1416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0  
L:1452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
L:1488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0

**Raw Sequence Listing before editing,  
for reference only**



IFW16

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION:** US/10/643,681B

**DATE:** 04/13/2006  
**TIME:** 15:02:19

**Input Set :** A:\254057CON.ST25.txt  
**Output Set:** N:\CRF4\04132006\J643681B.raw

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3 <110> APPLICANT: Amylin Pharmaceuticals, Inc.
4     Kolterman, Orville G.
5     Young, Andrew A.
6     Rink, Timothy J.
7     Brown, Kathleen A. K.
9 <120> TITLE OF INVENTION: Methods for Regulating Postprandial Blood Glucose (Amended)
11 <130> FILE REFERENCE: 254/057CON
13 <140> CURRENT APPLICATION NUMBER: US 10/643,681B
14 <141> CURRENT FILING DATE: 2003-08-18
16 <150> PRIOR APPLICATION NUMBER: US 09/576,062
17 <151> PRIOR FILING DATE: 2000-05-22
19 <150> PRIOR APPLICATION NUMBER: US 08/302,069
20 <151> PRIOR FILING DATE: 1994-09-07
22 <150> PRIOR APPLICATION NUMBER: US 08/118,381
23 <151> PRIOR FILING DATE: 1993-09-07
25 <160> NUMBER OF SEQ ID NOS: 49
27 <170> SOFTWARE: PatentIn version 3.3

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Does Not Comply  
 Corrected Diskette Needed  
 (Pg. 2)

#### ERRORED SEQUENCES

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1462 <210> SEQ ID NO: 49
1463 <211> LENGTH: 37
1464 <212> TYPE: PRT
1465 <213> ORGANISM: Artificial Sequence
1467 <220> FEATURE:
1468 <223> OTHER INFORMATION: Synthetic peptide construct
1470 <220> FEATURE:
1471 <221> NAME/KEY: MISC_FEATURE
1472 <222> LOCATION: (2)
1473 <223> OTHER INFORMATION: Variable amino acid
1475 <220> FEATURE:
1476 <221> NAME/KEY: MISC_FEATURE
1477 <222> LOCATION: (7)
1478 <223> OTHER INFORMATION: Variable amino acid
1480 <220> FEATURE:
1481 <221> NAME/KEY: MISC_FEATURE
1482 <223> OTHER INFORMATION: residues 2 and 7 are independently selected residues having

```

side chains which are chemically bonded to each other to form an intramolecular linkage

```

1486 <400> SEQUENCE: 49
W--> 1488 Lys Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Thr Asn Phe Leu
1489 1           5           10          15

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/643,681B

DATE: 04/13/2006  
TIME: 15:02:19

Input Set : A:\254057CON.ST25.txt  
Output Set: N:\CRF4\04132006\J643681B.raw

1491 Val Arg Ser Ser His Asn Leu Gly Ala Ala Leu Leu Pro Thr Asp Val  
1492 20 25 30  
1494 Gly Ser Asn Thr Tyr  
1495 35

E--> 1497

1  
*deleted*

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 04/13/2006  
PATENT APPLICATION: US/10/643,681B                    TIME: 15:02:20

Input Set : A:\254057CON.ST25.txt  
Output Set: N:\CRF4\04132006\J643681B.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/643,681B

DATE: 04/13/2006

TIME: 15:02:20

Input Set : A:\254057CON.ST25.txt

Output Set: N:\CRF4\04132006\J643681B.raw

L:718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
M:341 Repeated in SeqNo=31  
L:986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
M:341 Repeated in SeqNo=40  
L:1022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:1118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
M:341 Repeated in SeqNo=42  
L:1154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:1251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
M:341 Repeated in SeqNo=44  
L:1344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
M:341 Repeated in SeqNo=45  
L:1380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0  
L:1416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0  
L:1452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
L:1488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0  
L:1497 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:49